

July 5, 1932.

A. G. F. KUROWSKI

1,865,636

TYPEWRITING MACHINE CARRYING CASE

Original Filed April 24, 1924

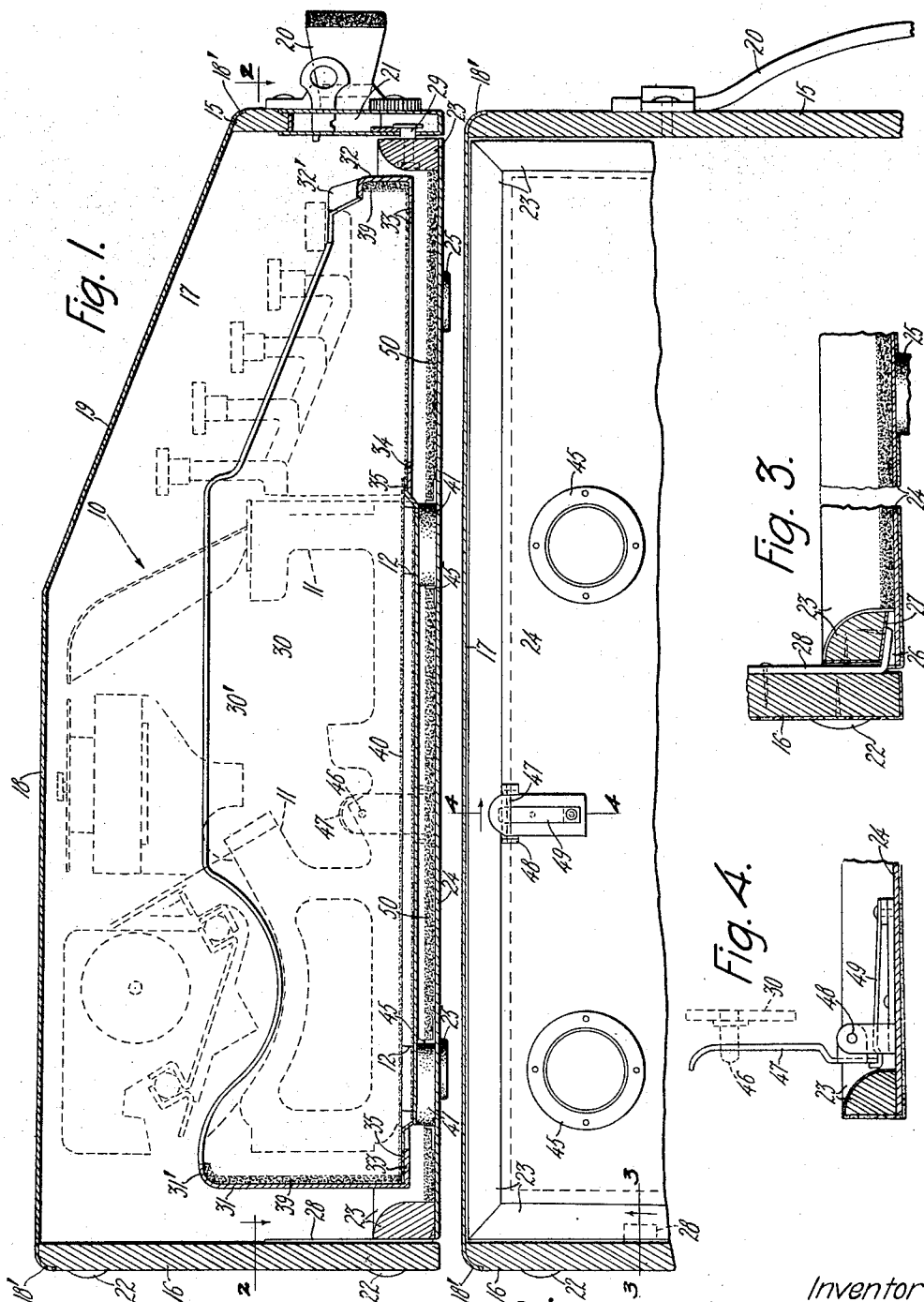


Fig. 2.
 Inventor:
 Alfred G F Kurowski
 by P. B. Stettin
 Attorney.

UNITED STATES PATENT OFFICE

ALFRED G. F. KUROWSKI, OF BROOKLYN, NEW YORK, ASSIGNOR TO UNDERWOOD ELLIOTT FISHER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE

TYPEWRITING MACHINE CARRYING CASE

Original application filed April 24, 1924, Serial No. 708,633. Divided and this application filed August 6, 1927. Serial No. 211,078.

This invention relates to improvements in typewriting machine carrying cases, and particularly to types commonly known as portables, in which the machine is normally enclosed within a case adapted to be conveniently carried by hand.

One of the objects of the invention is to provide a two-part, separable case in which the cover element may be positively and safely secured to the base in such manner as to efficiently protect the machine from intrusion, damage, dust or moisture, under ordinary conditions of transit or storage, or to permit the ready removal of the cover to allow authorized use of the machine, either as affixed to the base element of the case or removed operably intact therefrom.

Another purpose is to produce a carrying case base provided with means which operate effectually in minimizing, reducing and preventing the transmission of sound, incurred by operation of the machine, absorbing air-carried sound vibrations to a marked degree.

A further feature is the construction of a carrying case having its top, two sides and base-plate formed of sheet-metal for obtaining a casing of minimum height and width with respect to the typewriting machine.

A further aim is in the provision of an unusually light, strong and compact carrying case of pleasing design, readily portable and having a base-wall suited as a support upon which the machine may be conveniently operated, while acting as a silencer for any sound produced.

This application is a division of my application, Serial No. 708,633, filed April 24, 1924.

Other features and advantages will hereinafter appear.

In the accompanying drawing,

Figure 1 is a longitudinal sectional view of an embodiment of the invention, illustrating the relation of parts to a conventional typewriter shown in broken lines within the case.

Figure 2 is a fragmentary sectional view taken in a plane represented by the characters 2—2 of Figure 1.

Figure 3 is a fragmentary sectional view taken on line 3—3 of Figure 2.

Figure 4 is a similar view taken on line 4—4 of Figure 2.

The portable typewriter, shown in broken lines in Figure 1 and designated generally by the numeral 10, is standard in all respects and constitutes a complete commercial entity.

The carrying case is composed of a front end plate or member 15, preferably made of well-seasoned wood, as is also the rear end plate or member 16. An integral piece of sheet-metal is formed to present side walls 17 and a cover 18, inclined downwardly at the front 19 and having inwardly-curved edges 18' engaged in corresponding recesses in the upper and end edges of the plates 15 and 16, to which the cover-plate is rigidly secured, and the entire outer surface of the casing is insheathed in leather.

A strap handle 20 is provided on the front end plate 15 for convenience in carrying, and a lock, generally designated by the numeral 21, is furnished to provide security from unwarranted intrusion.

Fixed near each of the four corners of the bottom plate are button-headed nails 22 or the like to protect the leather-covered surface of the case when resting on its bottom or lower end, the foregoing elements constituting the cover or removable portion of the case.

The base-portion is composed of a wooden frame 23 formed from quarter-round molding with mitered joints, freely receivable within the lower portion of the cover.

A sheet-metal plate 24 is secured to the flat lower surface of the frame 23, and is provided on its lower exposed side with a leather covering, from which extend four cushioning elements, as the rubber feet 25, held in rigid engagement by cement or like adhesive.

The rear member of the frame 23 contains recesses 26 adjacent its ends, these recesses having metallic linings 27 suited to be engaged by a pair of hooks 28, fixed to the inner surface of the rear end plate 16, and adapted to interlock with the linings to removably engage the rear end of the base within the cover, as best shown in Figure 3.

Set midway in the length of the front member of the frame 23 is a button-headed stud 29 projecting to interlock with a spring-latch incorporated in the lock 21, see Figure 1, thus co-operating with the hooks 28 at the opposite end to securely lock the cover to the base, constituting a single carrying unit.

The typewriting machine 10, as indicated by broken lines in Figure 1, as composed of a pair of cast side frames 11 having extending base-pads 12, serving as feet during assembly of the machine, the same being drilled and tapped, to receive detachable rubber feet 41.

The typewriter-frame sides 11 terminate, as shown in Figure 1, at the inner row of the key-levers to define a machine-base area, but affording no protection to the bank of keys, as it would obviously add greatly to the weight of the frame and casing if it were continued around the keyboard in the usual manner.

The frame 11 is enclosed by a highly-polished outer frame or silencing pocket shaped by power press methods from a single piece of sheet-metal to produce opposed side walls 30 and rear wall 31, all of which have inwardly-curved or rounded-over upper edges 30' and 31', presenting a smooth and agreeable finish.

The front wall 32 is shaped in conformity with the general contour of the keyboard, which is enclosed by it at the front and sides, and is provided with an inreaching ledge 32'.

The lower edges of the outer frame are flanged inwardly, presenting a continuous ledge 33, the sides being stiffened by a cross-bar 34 disposed in the plane of the ledge 33.

Secured to the inner surfaces of the outer frame walls is a relatively thick layer of soft porous felt 39, the same acting to absorb sound emanations, which would otherwise be transmitted to the supporting base.

The upper surfaces of the ledge 33, cross-bar 34 and entire base-plate 35 are similarly covered with a like but thinner felt fabric 40, and thus, when the machine is set in the enclosing frame, its feet rest upon the lined surface 40.

In order to secure the feet 41 to the base of the carrying case and prevent any relative shifting movement, flanged metallic rings 45 are fixed in appropriate locations in the base, these rings being receptive of the feet and which are positively but removably held therein by the following means.

Extending oppositely outward from the sides 30 of the outer frame are rigid studs 46 having rounded outer ends, these studs being suited to engage in openings formed through latch-elements 47, pivotally supported in brackets 48, fixed on the base-plate 24, as best seen in Figure 4.

The outer ends of the latches are curved to

provide finger-holds and their inner ends project beyond their pivotal points to engage the free end of a spring-detent 49 riveted to the plate 24 and extending below the pivot in the bracket 48, the detent being so shaped and arranged as to hold the latch 47 in either a raised, operatively engaging, position or when turned down to clear the studs 46.

These latches are readily accessible when the cover of the carrying case is removed and are operable by hand only, no tools being required to release the machine from the base.

As a further factor in rendering the machine substantially noiseless, when used upon the base of the carrying case, the base may be provided with a thick layer of felt 50 on its entire upper surface, the same preventing transmission of sound.

It will be noted that the two side frames 11 are machine standards to promote the assembly of the parts and establish a machine-base area that does not include the key-board; that the assembled machine is enclosed by a highly-polished outer frame which also includes a forward extension to protectively enclose the keyboard of the machine; that the enclosing outer frame is formed with a floor-section of substantially the same area as the established base of the machine to enclose the machine on the under side; that the outer frame is attached to the machine side frames by cushioning feet; that the outer frame is lined throughout with felt to form a sound-absorbing pocket; that the outer frame is secured to a sound-absorbing baseboard; and that the sound-absorbing baseboard primarily is a unit of the typewriting machine to increase the base-area of the machine when in use and only coacts with the cover when the machine is not in use or being carried from place to place.

It will also be seen that the carrying case, being formed with a sheet-metal base-plate for the typewriting machine and a sheet-metal opposite side wall for the cover, provides a carrying case having a minimum thickness, materially reducing the thickness of carrying cases in which the corresponding walls are formed of wood or other compositions. The arrangement permits the sheet-metal walls to be spaced a minimum distance apart, with sockets to receive the feet of the typewriter, so that they will rest directly upon the base. It will be noted that the typewriting machine with its outer frame resting upon the base-plate, provides a chambered pocket between the bottom of the outer frame of the typewriter and the base-plate into which sounds emitted through the bottom of the outer frame are received. This arrangement permits the positioning of a sound-absorbing padding on the base-plate to further deaden the sounds which enter this chambered pocket. The padding extends over the base-plate between the sockets for the feet of the ma-

chine and the flanges or frame-members 23 of the base without necessitating an increase in the space between the two walls.

Variations may be resorted to within the scope of the invention, and portions of the improvements may be used without others.

Having thus described my invention, I claim:

A carrying case for a portable typewriter, comprising a thin, flat base having all its bottom surface in a single plane, a relatively thick separate strengthening rim attached around the inner periphery of the base to form a reinforcement therefor, the base bottom having sockets to receive the rubber feet of the typewriting machine, sound absorbing felt covering the interior top of the base bottom and a cover for the case including relatively thick front and rear ends and thinner top and side portions, said top portion having an inclined front portion, said sides and top portion being all in a single piece and fastened to said relatively thicker ends.

ALFRED G. F. KUROWSKI.